SEQUENCE LISTING

<110> AMANO ENZYME INC.

<120> Modified promoter

<130> P0200102

<150> JP P2002-055853
<151> 2002-03-01

<150> JP P2002-354670
<151> 2002-12-06

<160> 38

<170> PatentIn version 3.1

<210> 1
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: an enhancer sequence

<220>
<221> misc_feature
<222> (6)..(11)
<223> n stands for any base.

<400> 1
ccaatnnnnn n 11

<210> 2
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: an enhancer sequence

<220>
<221> misc_feature
<222> (4)..(12)
<223> n stands for any base.

<400> 2
cggnnnnnnn nngg 14

<210> 3
<211> 11
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: an enhancer sequence

<400> 3
ccaattagaa g 11

<210> 4
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: an enhancer sequence

<220>
<221> misc_feature
<222> (5)..(5)
<223> n stands for any base.

<220>
<221> misc_feature
<222> (10)..(10)
<223> n stands for any base.

<400> 4
cgghnwwwwn whgg 14

<210> 5
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: an enhancer sequence

<400> 5
cggwwwwwww whgg 14

<210> 6
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: an enhancer sequence

<400> 6
cggaaattta aagg 14

<210> 7
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: an enhancer sequence

<400> 7
cggaatttaa acgg 14

<210> 8
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: an enhancer sequence

<400> 8
cggaaattta acgg 14

<210> 9
<211> 128
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:a DNA fragment including CCAAT sequence and SRE

<400> 9
ccaattagaa gcagcaaagc gaaacagccc aagaaaaagg tcggcccgtc ggccttttct 60

gcaacgctga tcacgggcag cgatccaacc aacaccctcc agagtgacta ggggcggaaa 120

tttaaagg 128

<210> 10
<211> 196
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:a DNA fragment including CCAAT sequence and SRE

<400> 10
ctgcagacca cctctaggca tcggacgcac catccaatta gaagcagcaa agcgaaacag 60

cccaagaaaa aggtcggccc gtcggccttt tctgcaacgc tgatcacggg cagcgatcca 120

accaacaccc tccagagtga ctaggggcgg aaatttaaag ggattaattt ccactcaacc 180

acaaatcaca ctgcag 196

<210> 11
<211> 193
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:a DNA fragment including CCAAT sequence and SRE

<400> 11
ctcgagaggc atcggacgca ccatccaatt agaagcagca aagcgaaaca gcccaagaaa 60

aaggtcggcc cgtcggcctt ttctgcaacg ctgatcacgg gcagcgatcc aaccaacacc 120

ctccagagtg actaggggcg gaaatttaaa gggattaatt tccactcaac cacaaatcac 180

agtcggcggc cgc 193

<210> 12
<211> 615
<212> DNA
<213> Aspergillus oryzae

<220>
<221> promoter
<222> (1)..(615)
<223>

<400> 12
gaattcatgg tgttttgatc attttaaatt tttatatggc gggtggtggg caactcgctt 60

ccgggcaact cgcttaccga ttacgttagg gctgatattt acgtaaaaat cgtcaaggga 120

tgcaagacca aagtagtaaa accccggagt caacagcatc caagcccaag tccttcacgg 180

agaaacccca gcgtccacat cacgagcgaa ggaccacctc taggcatcgg acgcaccatc 240

caattagaag cagcaaagcg aaacagccca agaaaaaggt cggcccgtcg gccttttctg 300

caacgctgat cacgggcagc gatccaacca acaccctcca gagtgactag gggcggaaat 360

ttaaagggat taatttccac tcaaccacaa atcacagtcg tccccggtat tgtcctgcag 420

aatgcaattt aaactcttct gcgaatcgct tggattcccc gcccctggcc gtagagctta 480

aagtatgtcc cttgtcgatg cgatgtatca caacatataa atactagcaa gggatgccat 540

gcttggagga tagcaaccga caacatcaca tcaagctctc ccttctctga acaataaacc 600

ccacagaagg cattt 615

<210> 13

<211> 44
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: a PCR primer designed for amplifying CCAAT sequence

<400> 13
ccgctcgagg caccatccaa ttagaagcgc ggccgctaaa ctat 44

<210> 14
<211> 44
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: a PCR primer designed for amplifying CCAAT sequence

<400> 14
atagtttagc ggccgcgctt ctaattggat ggtgcctcga gcgg 44

<210> 15
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: a PCR primer designed for amplifying SRE

<400> 15
gactagttaa cctaggggcg gaaatttaac gggatgttaa ctagtc 46

<210> 16
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: a PCR primer designed for amplifying SRE

<400> 16
gactagttaa catcccgtta aatttccgcc cctaggttaa ctagtc 46

<210> 17
<211> 30
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: a PCR primer designed for amp
lifying a DNA fragment including CCAAT sequence and SRE

<400> 17
aaactgcaga ccacctctag gcatcggacg 30

<210> 18
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: a PCR primer designed for amp
lifying a DNA fragment including CCAAT sequence and SRE

<400> 18
tttctgcagt gttgatttgt ggttgagtgg 30

<210> 19
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: a PCR primer designed for amp
lifying a DNA fragment including CCAAT sequence and SRE

<400> 19
cggctcgagg catcggacgc accatcc 27

<210> 20
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: a PCR primer designed for amp
lifying a DNA fragment including CCAAT sequence and SRE

<400> 20
atagtttagc ggccgccgac tgtgatttgt ggttgagtgg 40

<210> 21
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:a primer for site-directed mut
agenesis

<400> 21
cgcttggatt ccccgcccgc ggccgcagag cttaaagtat gtccc 45

<210> 22
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:a primer for site-directed mut
agenesis

<400> 22
gaatgcaatt taaactcttc ctcgagtcgc ttggattccc cgccc 45

<210> 23
<211> 47
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:a primer for site-directed mut
agenesis

<400> 23
gtagtaaaac cccggagtca gcggccgcca agcccaagtc cttcacg 47

<210> 24
<211> 41
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:a primer for site-directed mut
agenesis

<400> 24
cgtcaaggga tgcaagactc gagtagtaaa accccggagt c 41

<210> 25
<211> 47
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:a primer for site-directed mut
agenesis

<400> 25
gcaccatcca attagaagcg cggccgcgaa acagcccaag aaaaagg 47

<210> 26
<211> 26
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:a primer for site-directed mut
agenesis

<400> 26
taaagtatgt cactagtcga tgcgat 26

<210> 27
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:a primer for site-directed mut
agenesis

<400> 27
taggggcgga atttaaacgg gattaa 26

<210> 28
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:a PCR primer designed for ampl
ifying a DNA fragment including CCAATsequence

<400> 28
gaagatctct gtttcgcttt gctgcttc 28

<210> 29
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:a PCR primer designed for ampl
ifying a DNA fragment including SRE

<400> 29
gaagatcttc cagagtgact aggggcgg 28

<210> 30
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:a partialy modified SRE

<400> 30
cggaaattta atta 14

<210> 31
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:a PCR primer designed for muta
ting SRE

<400> 31
ggggcggaaa tttaacggga ttaatttcc 29

<210> 32
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:a PCR primer designed for muta
ting SRE

<400> 32
cggaaattta attagattaa tttcc 25

<210> 33
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:a PCR primer

<400> 33
tatgtcgacc caagccgctg ctggaattga 30

<210> 34
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:a PCR primer

<400> 34
gaaaagcttg atcaataccg tacgggagat 30

<210> 35
<211> 21
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:a PCR primer

<400> 35
ggaattcatg gtgttttgat c 21

<210> 36
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:a PCR primer

<400> 36
gagaccacca cgcgacatgc ataaatgcct tctgtgg 37

<210> 37
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:a PCR primer

<400> 37
ccatgcattt ctttatcatt ggag 24

<210> 38
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:a PCR primer

<400> 38
ccgagctctg gtatagtatc ttgaatgtat c 31